DRAFT EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
DIVISION OF THE STATE ARCHITECT (DSA-AC)

REGARDING THE CALIFORNIA BUILDING CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2

2013 CALIFORNIA BUILDING CODE
INTERVENING CODE CYCLE

LEGEND FOR EXPRESS TERMS

1. Existing California amendments or code language being modified are in italics when they appear in the model code text: All such language appears in *italics*, modified language is underlined.
2. New California amendments: All such language appears *underlined and in italics*.
3. Repealed text: All such language appears in ~~strikeout~~.

CHAPTER 1
ADMINISTRATION

ITEM 1.01

CHAPTER 1 – MATRIX ADOPTION TABLE

Adopting Agency		BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
				1	2	1/AC	**AC**	SS	1	2	3	4								
Adopt entire California Chapter																				
Adopt entire California Chapter as amended (amended sections listed below)																				
Adopt only those sections that are listed below							X													
Chapter / Section	Codes																			
Division I																				
1.1	CA						X													
1.2.2	CA						X													
1.9.1 – 1.9.1.8	CA						X													
Division II																				
101.1 – 101.4.5	CA						X													
104.11	IBC						X													
111.2	IBC						X													

DIVISION I – CALIFORNIA ADMINISTRATION
SECTION 1.2
BUILDING STANDARDS COMMISSION

1.2.2 Alternative materials, design and methods of construction and equipment. *The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.*

DIVISION II – SCOPE AND ADMINISTRATION
SECTION 104
DUTIES AND POWERS OF BUILDING OFFICIAL

104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

REASON: DSA-AC is proposing to adopt Chapter 1, Division I, Section 1.2 and Division II, Section 104 for purposes of accessibility in coordination with the provisions of Chapter 11B, Section 11B-103, Equivalent Facilitation. Section 11B-103 states "Nothing in these requirements prevents the use of designs, products, or technologies as alternatives to those prescribed, provided they result in substantially equivalent or greater accessibility and usability." The Chapter 1 Matrix Adoption Table is being amended to reflect the adoption of these existing sections.

CHAPTER 2
DEFINITIONS

ITEM 2.01

Definition of DESIGNATED PUBLIC TRANSPORTION
Definition of SPECIFIED PUBLIC TRANSPORTATION

DESIGNATED PUBLIC TRANSPORTATION. *[DSA-AC] Transportation provided by a public entity (other than public school transportation) by bus, rail, or other conveyance (other than transportation by aircraft or intercity or commuter rail transportation) that provides the general public with general or special service, including charter service, on a regular and continuing basis.*

SPECIFIED PUBLIC TRANSPORTATION. *[DSA-AC] ~~Transportation by bus, rail or any other conveyance (other than by aircraft) that provides the general public with general or special service (including charter service) on a regular and continuing basis.~~ Transportation by bus, rail, or any other conveyance (other than aircraft) provided by a private entity to the general public, with general or special service (including charter service) on a regular and continuing basis.*

REASON: DSA-AC is proposing to add a new definition for "designated public transportation vehicles"

and amend the existing definition for “specified public transportation” to coordinate with definitions by the federal Department of Transportation at 49 CFR 37.3 in regulations implementing the Americans with Disabilities Act. These amendments will provide clarity and consistency for code users.

CHAPTER 10
MEANS OF EGRESS

ITEM 10.01

CHAPTER 10 – MATRIX ADOPTION TABLE

Adopting Agency		BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
				1	2	1/AC	**AC**	SS	1	2	3	4								
Adopt entire California Chapter																				
Adopt entire California Chapter as amended (amended sections listed below)																				
Adopt only those sections that are listed below							X													
Chapter / Section	Codes																			
1003.1, not SFM exception	CA						X													
1007.1	CA						X													
1007.2	CA						X													
1007.2.1	IBC						X													
1007.3	CA						X													
1007.4	IBC						X													
1007.5	CA						X													
1007.5.1	IBC						X													
1007.6	CA						X													
1007.6.1	CA						X													
1007.6.2	CA						X													
1007.6.3	IBC						X													
1007.7	CA						X													
1007.7.1	IBC						X													
1007.7.2	IBC						X													
1007.7.3	IBC						X													
1007.7.4	IBC						X													
1007.7.5	IBC						X													
1007.7.6	IBC						X													
1007.8	IBC						X													
1007.8.1	CA						X													
1007.8.1.1	CA						X													
1007.8.2	CA						X													
1007.9	CA						X													
1007.10	CA						X													
1007.11	CA						X													
1007.12	CA						X													
1008 (1st paragraph below title only)	CA						X													
1008.1.9.7 (Item 5.1 only)	CA						X													
1009 (1ST paragraph below title only)	CA						X													
1009.7.2 Exc. 6 only	CA						X													

1009.15 (2nd paragraph only)	CA						X												
1010 (1st paragraph below title only)	CA						X												
1011.4	CA						X												
1012 1st paragraph below title only	CA						X												
1013.2	IBC						X												
1013.3	CA						X												
1017 (1st paragraph below title only)	CA						X												
1017.3 Exc only	CA						X												
1022.9 2nd paragraph only	CA						X												

REASON: DSA-AC is proposing to amend the matrix adoption table for Chapter 10 to correct an inadvertent typographical error. DSA-AC adopts the entirety of Chapter 10, Section 1007. During the previous code cycle, the 2010 CBC, Chapter 10, Matrix Adoption Table was not updated in the 2013 CBC to reflect revised model code section numbers. This amendment will provide clarity and consistency for code users.

CHAPTER 11B
ACCESSIBILITY TO PUBLIC BUILDINGS, PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS AND PUBLIC HOUSING

ITEM 11B.01

DIVISION 2: SCOPING REQUIREMENTS

***11B*-216.6 Entrances.** *In existing buildings and facilities where* not all entrances comply with *Section 11B*-404, entrances complying with *Section 11B*-404 shall be identified by the International Symbol of Accessibility complying with *Section 11B*-703.7.2.1. Directional signs complying with *Section 11B*-703.5 that indicate the location of the nearest entrance complying with *Section 11B*-404 shall be provided at entrances that do not comply with *Section 11B*-404. *Directional signs complying with Section 11B-703.5, including the International Symbol of Accessibility complying with Section 11B-703.7.2.1, indicating the accessible route to the nearest accessible entrance shall be provided at junctions when the accessible route diverges from the regular circulation path.*

~~Exceptions:~~ Exception:

1. *~~An International Symbol of Accessibility is not required at entrances to individual rooms, suites, offices, sales or rental establishments, or other such spaces when all entrances to the building or facility are accessible and persons entering the building or facility have passed through one or more entrances with signage complying with this section.~~*

2. *An International Symbol of Accessibility is not required at entrances to machinery spaces frequented only by service personnel for maintenance, repair, or occasional monitoring of equipment; for example, elevator pits or elevator penthouses; mechanical, electrical or communications equipment rooms; piping or equipment catwalks; electric substations and transformer vaults; and highway and tunnel utility facilities.*

REASON: DSA-AC is proposing to repeal Section 11B-216.6, Exception 1. The 2010 CBC, Section 1117B.5.8.1.2 requires all entrances to buildings and facilities to be identified with an International Symbol of Accessibility (ISA). An exception is provided in the 2010 CBC for entrances to individual rooms, suites, offices, sales or rental establishments when all entrances to the building or facility are accessible and the accessible route passes through one or more doors displaying an ISA. The 2013 CBC requires an ISA only at entrances to existing buildings and facilities where all entrances are not accessible.

Exception 1, applicable only to buildings and facilities where all entrances <u>are</u> accessible, is in conflict with Section 11B-216.6. The repeal of Exception 1 will provide clarity and consistency for code users.

ITEM 11B.02

DIVISION 2: SCOPING REQUIREMENTS

***11B*-221.3 Companion seats.** At least one companion seat complying with *Section 11B*-802.3 shall be provided ~~for~~ <u>*immediately adjacent to*</u> each wheelchair space required by *Section 11B*-221.2.1.

REASON: DSA-AC is proposing to amend Section 11B-221.3 to add language clarifying that a companion seat must be located immediately adjacent to each required wheelchair space. This amendment will ensure that individuals with disabilities are not isolated from their companions in assembly seating areas. This amendment will provide clarity and consistency for code users.

ITEM 11B.03

DIVISION 4: ACCESSIBLE ROUTES

***11B*-404.2.9 Door and gate opening force.** The force for pushing or pulling open a door or gate ~~other than fire doors~~ shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
2. Sliding or folding doors: 5 pounds (22.2 N) maximum.
3. *Required fire doors: the minimum opening force allowable by the appropriate administrative authority, not to exceed 15 pounds (66.7 N).*
4. *Exterior hinged doors: 5 pounds (22.2 N) maximum.*

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

Exceptions:

1. …
2. …

REASON: DSA-AC is proposing to amend Section 11B-404.2.9 to provide clarity and consistency for code users. The 2010 ADA Standards model code language included an additional introductory sentence, “Fire doors shall have a minimum opening force allowable by the appropriate Administrative Authority”. Without this introductory language in the 2013 CBC section, the words “other than fire doors” don’t have proper context and they conflict with the California amendment in Item 3.

ITEM 11B.04

DIVISION 4: ACCESSIBLE ROUTES

<u>11B-411 Destination-oriented elevators</u>

<u>11B-411.1 General.</u> *<u>Destination-oriented elevators shall comply with Section 11B-411 and with ASME A17.1. They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.</u>*

<u>11B-411.2 Elevator landing requirements.</u> *<u>Elevator landings shall comply with Section 11B-411.2.</u>*

11B-411.2.1 Call consoles. *Elevator call consoles shall comply with Sections 11B-411.2.1 and 11B-309.4.*

11B-411.2.1.1 Height. *Call consoles shall be located within one of the reach ranges specified in Section 11B-308, measured to the centerline of the highest operable part.*

11B-411.2.1.2 Clear floor or ground space. *A clear floor or ground space complying with Section 11B-305 shall be provided at call consoles.*

11B-411.2.1.3 Location. *Call consoles shall be provided at each elevator lobby on each floor, wall-mounted, and located adjacent to each hoistway entrance.*

> ***Exception:*** *Additional call consoles may be provided outside the elevator lobby and may be wall-mounted, pedestal-mounted, or mounted on a kiosk.*

11B-411.2.1.4 Call console required features. *Call consoles shall include a touch screen or keypad with display screen, an accessibility function button, and audio output loudspeaker.*

> ***11B-411.2.1.4.1 Keypads.*** *Where keypads are provided they shall be located within one of the reach ranges specified in Section 11B-308. Keypads shall be in a 12-key ascending telephone keypad layout with buttons identified by characters a minimum of 5/8 inch high and complying with Sections 11B-703.5.3, 11B-703.5.4, and 11B-703.5.7 and shall be centered on the corresponding button. The number five key shall have a single raised dot. The dot shall be 0.118 inch (3 mm) to 0.120 inch (3.05 mm) base diameter and a height of 0.025 inch (0.6 mm) minimum and 0.037 inch (0.9 mm) maximum. Keypads shall have a star button (★) in the lower left corner and a minus sign (-) button in the lower right corner. From any level above and below the main egress level, when the star button is pressed on the keypad an elevator shall be dispatched to the main egress level.*
>
> ***11B-411.2.1.4.2 Touch screen.*** *Where touch screens are provided they shall be located within one of the reach ranges specified in Section 11B-308. Touch screen call consoles shall be sloped upward at 15 to 25 degrees from the vertical plane.*
>
> ***11B-411.2.1.4.3 Accessibility function button.*** *An accessibility function button shall activate audible tones and provide verbal announcements. The button shall be a rectangular or square shape and of a size that is larger than the numeric keys so as to be clearly distinguishable. The button shall be identified by the International Symbol of Accessibility and a raised indication. The International Symbol of Accessibility shall comply with Section 11B-703.7.2.1, shall be 5/8 inch (16mm) in height. The indication shall be three raised dots. Each dot shall be 0..59 inch (1.5 mm) to 0.063 inch (1.6 mm) base diameter and a height of 0.025 inch (0.6 mm) minimum and 0.037 inch (0.9 mm) maximum. The dots shall be spaced ¼ inch (6.4 mm), measured center to center, in the form of an equilateral triangle with a vertex pointing up.*

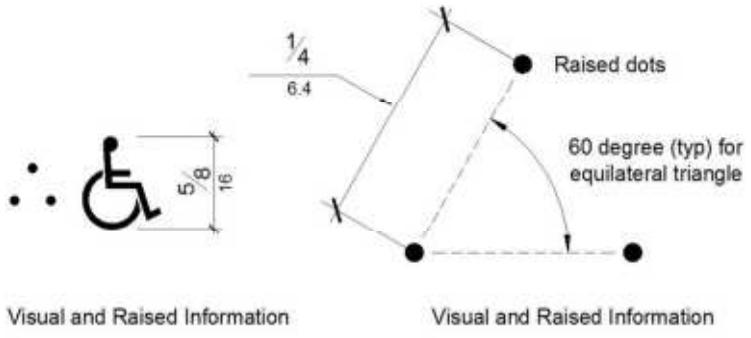

FIGURE 11B-411.2.1.4.3
DESTINATION-ORIENTED ELEVATOR INDICATION

11B-411.2.1.4.4 Additional console buttons. *Any buttons in addition to the accessibility function button and the keypad shall be arranged in columns to the right of the keypad with horizontal spacing 1.5 times the horizontal spacing between the numeric keys and with the same vertical spacing as the numeric keys. Buttons shall be identified by raised characters, white on a black background, complying with Section 11B-703.2 and Braille complying with Section 11B-703.3.*

11B-411.2.1.4.5 Button requirements. *Keypad buttons, the accessibility function button, and additional console buttons shall have square shoulders, be 3/4 inch (19.1 mm) minimum in the smallest dimension and shall be raised 1/8 inch (3.2 mm) plus or minus 1/32 inch (0.8 mm) above the surrounding surface. The buttons shall be activated by a mechanical motion that is detectable.*

11B-411.2.1.4.5.1 Finish. *Buttons shall have a non-glare finish.*

11B-411.2.1.4.5.2 Contrast. *Buttons shall have white characters on a black surface.*

11B-411.2.1.4.6 Display screen*. A display screen shall provide indicate the assignment to the designated elevator. Display screens shall be visible from a point located 40 inches (1016 mm) above the center of the clear floor space in front of the call console.*

11B-411.2.1.4.6.1 Contrast. *Display screens shall provide contrast with light characters on a dark, solid, static background.*

11B-411.2.1.4.6.2 Size. *Visual display of elevator assignment characters shall be 5/8 inch high (15.9 mm) minimum.*

11B-411.2.1.4.6.3 Duration. *Elevator assignment characters shall be displayed for a minimum of 5 seconds.*

11B-411.2.1.4.7 Audio output. *Upon activation of the accessibility function button, call consoles shall provide audible tones and verbal announcements, including but not limited to operating instructions, user input verification, direction to the designated elevator, and error messages. Speech shall be recorded, digitized human, or synthesized and shall be delivered through a loudspeaker. Auditory volume shall be at least 10 dB above ambient sound level, but shall not exceed 80 dB, measured 36 inches (915 mm) in front of the console. At keypad console locations where the ambient sound level varies, auditory volume shall be maintained at the required volume by an automatic gain control or shall be set at not less than 75 dB.*

11B-411.2.1.4.8 Arrangement. *Call console arrangement shall comply with Section 11B-411.2.1.4.7.*

11B-411.2.1.4.8.1 Keypad call console arrangement. *The display screen shall be located directly above the keypad. The accessibility function button shall be located directly below the keypad. Security or access control system card readers, if provided, shall be located directly below the accessibility function button. Where provided, additional console buttons shall comply with Section 11B-411.2.1.4.3.*

11B-411.2.1.4.8.2 Touch screen call console arrangement. *The accessibility function button shall be located directly below the touch screen. Security or access control system card readers, if provided, shall be located directly below the accessibility function button. Where provided, additional console but tons shall comply with Section 11B-411.2.1.4.3.*

11B-411.2.1.4.9 Identification of floors served. *Call consoles located on floors with a building entry, including parking and transfer levels, shall be provided with signage complying with Section 11B-216.2 indicating the range of floors served, on or above the surface of the call console.*

11B-411.2.1.4.10 Elevator car assignment. *Elevator car assignment shall comply with Section 11B-411.2.1.4.9.*

11B-411.2.1.4.10.1 Assignment by keypad call console. *When the accessibility function button is pressed the audio output shall provide a verbal announcement of the floors served by the elevator group and an instruction for the user to enter a destination floor. Within two seconds of user input, a verbal announcement shall indicate the destination floor that was entered. A unique audible signal and a verbal announcement shall indicate the elevator designated to respond to the call. The audio output shall make an audible or verbal indication of an invalid input.*

11B-411.2.1.4.10.2 Assignment by touch screen call console. *When the accessibility function button is pressed the audio output shall provide a verbal announcement of the floors served by the elevator group and instruction for the user to press the accessibility function button as a response to verbal direction in order to select the destination floor. A unique audible signal and a verbal announcement shall indicate the elevator designated to respond to the call.*

11B-411.2.1.4.10.3 Assignment by security credential. *If a security system or other form of access control system is provided, the audio output shall provide a verbal announcement such as "present security credential".*

11B-411.2.1.4.11 Adjacency assignment. *An elevator car adjacent to the call console and on the same side of the lobby shall be assigned unless the adjacent elevator(s) is (are) out of service.*

11B-411.2.2 Hall signals. *The assigned elevator car designation shall be provided by a visible signal, audible signal, and an automatic verbal annunciator complying with Section 11B-411.2.2.*

11B-411.2.2.1 Visible signal. *Above or adjacent to each elevator car entrance there shall be a visible signal indicating the elevator car designation. The visible signal fixture shall be 80 inches (2032 mm) minimum above the finish floor or ground to the bottom of the fixture. The visible signal element shall be a minimum 4 inches (102 mm) high and 4 inches (102 mm) wide. The visible signal shall include the elevator designation letter and shall illuminate upon car arrival. The signal shall be visible from the floor area in front of the call console adjacent to the hoistway entrance.*

Exception: *Existing buildings may have a visible signal fixture adjacent to each elevator car entrance to indicate elevator car designation centered at 72 inches (1829 mm) above the finish floor or ground with a visible signal element a minimum of 2½ inches (64 mm) high and 2½ inches (64 mm) wide.*

11B-411.2.2.2 Audible signal. *An audible signal identical to the audible signal given at the call console shall be provided. The audible signal shall have a frequency of 1500 Hz maximum. The audible signal shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the call console located immediately adjacent to the elevator.*

11B-411.2.2.3 Verbal annunciator*. The verbal annunciator shall provide a verbal announcement identical to the verbal announcement given at the call console. The verbal annunciator shall have a frequency of 300 Hz minimum and 3000 Hz maximum. The verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the call console located immediately adjacent to the elevator.*

11B-411.2.3 Hoistway signs. *Signs at elevator hoistways shall comply with Section 11B-411.2.3.*

11B-411.2.3.1 Floor designation. *Floor designations complying with Sections 11B-703.2 and 11B-703.4.1 shall be provided on both jambs of elevator hoistway entrances. Floor designations shall be provided in both raised characters and Braille. Raised characters shall be 2 inches (51 mm) high. A raised star placed to the left of the floor designation, shall be provided on both jambs at the main entry level. The outside diameter of the star shall be 2 inches (51 mm) and all points shall be of equal length. Raised characters, including the star, shall be white on a black background. Braille complying with Section 11B-703.3 shall be placed below the corresponding raised characters and the star. The Braille translation for the star shall be "MAIN". Floor designations shall be numeric characters only. Floor levels below the main entry level shall be designated "minus one" (-1) and shall decrease by one for each successive lower floor. Applied plates are acceptable if they are permanently fixed to the jamb.*

11B-411.2.3.2 Car designation. *Car identification complying with Sections 11B-703.2 and 11B-703.4.1 shall be provided on both jambs of the hoistway immediately below the floor designation. Car designations shall be provided in both raised characters and Braille. Raised characters shall be 2 inches (51 mm) high. Raised characters shall be white on a black background. Braille complying with Section 11B-703.3 shall be placed below the corresponding raised characters. Elevator cars shall be designated with a single alphabetic character. Applied plates are acceptable if they are permanently fixed to the jamb.*

Exception: *Elevator systems with more than 26 elevators may use alpha-numeric designations such as "A1".*

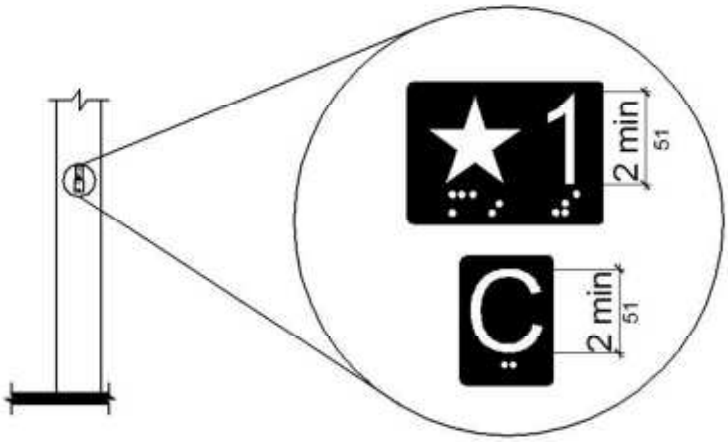

Figure 11B-411.2.3
Floor Designations and Car Designations on Jambs
of Destination-Oriented Elevator Hoistway Signs

411.2.4 Floor Destination Indicators. *There shall be on each elevator car door jamb or in the elevator lobby on the wall adjacent to the elevator car entrances a visual display indicating floor destinations.*

11B-411.2.4.1 Height. *Visual display of floor destination characters shall be minimum 5/8 inch (15.9 mm) high.*

11B-411.2.4.2 Contrast. *Visual display of floor destination indicators shall provide contrast with light characters on a dark, solid, static background.*

11B-411.2.4.3 Duration. *Visual display of floor assignment characters shall be illuminated for a minimum of 5 seconds.*

11B-411.3 Elevator door requirements. *Hoistway and car doors shall comply with Section 11B-411.3.*

11B-411.3.1 Type. *Elevator door type shall comply with Section 11B-407.3.1.*

11B-411.3.2 Operation. *Elevator hoistway and car doors shall open and close automatically.*

11B-411.3.3 Reopening device. *Elevator doors shall be provided with a reopening device complying with Section 11B-411.3.3 that shall stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person.*

11B-411.3.3.1 Height. *The height of the reopening device shall comply with Section 11B-407.3.3.1.*

11B-411.3.3.2 Contact. *The device contact shall comply with Section 11B-407.3.3.2.*

11B-411.3.3.3 Duration. *The door reopening device duration shall comply with Section 11B-407.3.3.3.*

11B-411.3.4 Door delay. *Door delay shall comply with Section 11B-407.3.5.*

11B-411.3.5 Width. *The width of elevator doors shall comply with Table 11B-407.4.1.*

11B-411.4 Elevator car requirements. *Elevator cars shall comply with Section 11B-411.4.*

11B-411.4.1 Car dimensions. *Inside dimensions of elevator cars and clear width of elevator doors shall comply with Section 11B-407.4.1.*

11B-411.4.2 Floor surfaces. *Floor surfaces in elevator cars shall comply with11B-407.4.2.*

11B-411.4.3 Platform to hoistway clearance. *Platform to hoistway clearance shall comply with Section 11B-407.4.3.*

11B-411.4.4 Leveling. *Elevator car leveling shall comply with Section 11B-407.4.4.*

11B-411.4.5 Illumination. *The level of illumination at the car controls shall comply with Section 11B-407.4.5.*

11B-411.4.6 Elevator car controls. *Where provided, elevator car controls shall comply with Sections 11B-411.4.6 and 11B-309.4.*

11B-411.4.6.1 Location. *Controls shall be located within one of the reach ranges specified in Section 11B-308.*

11B-411.4.6.2 Buttons. *Car control buttons shall comply with Sections 11B-407.4.6.2.1 and 11B-407.4.6.2.4. The car shall not have non-functional, exposed floor buttons.*

11B-411.4.6.3 Emergency controls. *Emergency controls shall comply with Section 11B-407.4.6.4.*

11B-411.4.7 Designations and indicators of car control buttons. *Designations and indicators of car control buttons shall comply with Section 11B-411.4.7.*

11B-411.4.7.1 Type. *Control button type shall comply with Section 11B-407.4.7.1.1.*

11B-411.4.7.2 Location. *Raised characters or symbols and Braille designations shall comply with Section 11B-407.4.7.1.2.*

11B-411.4.7.3 Symbols. *The control button for the emergency stop, alarm, door open, door close, and phone, shall be identified with raised symbols and Braille as shown in Table 11B-407.4.7.1.3.*

11B-411.4.7.4 Button spacing. *Button spacing shall comply with Section 11B-407.4.7.1.5.*

11B-411.4.8 Car position indicators. *Audible and visible car position indicators shall be provided in elevator cars.*

11B-411.4.8.1 Visible indicators. *Visible indicators shall comply with Section 11B-411.4.8.1.*

11B-411.4.8.1.1 Size. *Size of characters shall comply with Section 11B-407.4.8.1.1.*

11B-411.4.8.1.2 Location. *Location of indicators shall comply with Section 11B-407.4.8.1.2.*

11B-411.4.8.1.3 Destination indicator. *A display shall be provided in the car with visible indicators to show car destinations.*

11B-411.4.8.1.4 Floor arrival. *When a car stops at a floor served by the elevator, the corresponding indicator shall extinguish.*

11B-411.4.8.2 Audible indicators. *Audible indicators shall comply with Section 11B-411.4.8.2.*

11B-411.4.8.2.1 Signal type. *The signal shall be an automatic verbal annunciator which announces the floor at which the car is about to stop.*

11B-411.4.8.2.2 Signal level. *The verbal annunciator signal level shall comply with Section 11B-407.4.8.2.2.*

11B-411.4.8.2.3 Frequency. *The verbal annunciator frequency shall comply with Section 11B-407.4.8.2.3.*

11B-411.4.9 Emergency communication. *Emergency communication shall comply with Section 11B-407.4.9.*

11B-411.4.10 Support rail. *Support rails complying with Section 11B-407.4.10 shall be provided on at least one wall of the car.*

REASON: DSA-AC is proposing to add new technical requirements specific to destination-oriented elevators. A destination-oriented elevator system utilizes a method different from that of a standard elevator system to deliver a passenger to a desired floor. Utilization of car consoles which allow individuals to enter desired floor numbers and be assigned to designated elevators has accessibility implications for individuals with visual impairments. The proposed technical requirements for destination-oriented elevators will ensure access for persons with visual impairments and provide clarity and consistency for manufacturers, design professionals, building officials, and other code users. Proposed Section 11B-411 follows the same format as Section 11B-407, contains references to comparative requirements located within Section 11B-407, and provides accessibility requirements for elements that are unique to destination-oriented elevators.

RELATED ITEM 11B-04.1

CHAPTER 2
Definition of CALL CONSOLE

CALL CONSOLE. *An elevator call user interface that may include a mechanical detectable keypad or touch screen, a display screen, audio output, an accessibility function button, and other components.*

REASON: DSA-AC is proposing to add a new definition for “call console” in coordination with the proposed new technical requirements for destination-oriented elevators to be added as Section 11B-411. The new definition indicates the components provided on a destination-oriented elevator call console which enable an individual to enter a desired floor number and be assigned to a designated elevator.

RELATED ITEM 11B-04.2

CHAPTER 2
Definition of DESTINATION-ORIENTED ELEVATOR

DESTINATION-ORIENTED ELEVATOR. *A destination-oriented elevator system provides lobby controls enabling each passenger to select a floor destination prior to entering the elevator car. The controls designate an assigned elevator to the passenger.*

REASON: DSA-AC is proposing to add a new definition for “destination-oriented elevator” in coordination with the proposed new technical requirements for destination-oriented elevators to be added as Section

11B-411. The new definition indicates how lobby controls in a destination-oriented elevator system enable each passenger to select a floor destination prior to entering the elevator car. The lobby controls assign a designated elevator to deliver a passenger to the selected destination floor. In a destination-oriented elevator system responding cars are programmed for maximum efficiency by reducing the number of stops a passenger experiences before arriving to a selected floor destination.

RELATED ITEM 11B-04.3

CHAPTER 11B
DIVISION 2: SCOPING REQUIREMENTS

***11B*-206.6 Elevators.** Elevators provided for passengers shall comply with *Section 11B*-407. Where multiple elevators are provided, each elevator shall comply with *Section 11B*-407.

Exceptions:

1. In a building or facility permitted to use the exceptions to *Section 11B*-206.2.3 or permitted by *Section 11B*-206.7 to use a platform lift, elevators complying with *Section 11B*-408 shall be permitted.

2. Elevators complying with *Section 11B*-408 or *11B*-409 shall be permitted in multi-story residential dwelling units. *Elevators provided as a means of access within a private residence shall be installed so that they are not accessible to the general public or to other occupants of the building.*

3. Destination-oriented elevators complying with Section 11B-411 shall be permitted.

***11B*-206.6.1 Existing elevators.** Where elements of existing elevators are altered, the same element shall also be altered in all elevators that are programmed to respond to the same hall call control as the altered elevator and shall comply with the requirements of *Section 11B*-407 for the altered element.

***Exception:** Where a group of existing elevators are altered into a destination-oriented elevator system, or where elements of existing destination-oriented elevators are altered, the same elements shall also be altered in all elevators that are programmed to respond to the same call console or group of call consoles and shall comply with the requirements of Section 11B-411 for the altered elements.*

REASON: DSA-AC is proposing to amend the Section 11B-206.6 scoping requirements for elevators in coordination with the proposed new technical requirements for destination-oriented elevators to be added as Section 11B-411. Exceptions are being added to Sections 11B-206.6 and 11B-206.6.1 to direct code users to the new technical requirements.

RELATED ITEM 11B-04.4

CHAPTER 11B
DIVISION 4: ACCESSIBLE ROUTES

***11B*-407 Elevators**

***11B*-407.1 General.** Elevators shall comply with *Section 11B*-407 and with ASME A17.1. They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

***11B*-407.1.1 Combined passenger and freight elevators.** *When the only elevators provided for use by the public and employees are combination passenger and freight elevators, they shall comply with Section 11B-407 and with ASME A17.1.*

***11B*-407.2 Elevator landing requirements.** Elevator landings shall comply with *Section 11B*-407.2.

***11B*-407.2.1 Call controls.** Where elevator call buttons or keypads are provided, they shall comply with *Sections 11B*-407.2.1 and *11B*-309.4.

Exception: ***Reserved.***

***11B*-407.2.1.1 Height.** Call buttons and keypads shall be located within one of the reach ranges specified in *Section 11B*-308, measured to the centerline of the highest operable part.

Exception: ***Reserved.***

11B*-407.2.1.2 Size *and shape. Call buttons shall *have square shoulders*, be ¾ inch (*19.1* mm) minimum in the smallest dimension *and shall be raised ⅛ inch (3.2 mm) plus or minus 1/32 inch (0.8 mm) above the surrounding surface. The buttons shall be activated by a mechanical motion that is detectable.*

Exception: ***Reserved.***

***11B*-407.2.1.3 Clear floor or ground space.** A clear floor or ground space complying with *Section 11B*-305 shall be provided at call controls.

***11B*-407.2.1.4 Location.** The call button that designates the up direction shall be located above the call button that designates the down direction.

Exception: ***Reserved.*** ~~Destination-oriented elevators shall not be required to comply with *Section 11B*-407.2.1.4.~~

***11B*-407.2.1.5 Signals.** Call buttons shall have visible signals *that will activate* when each call is registered and *will extinguish* when each call is answered. *Call buttons shall be internally illuminated with a white light over the entire surface of the button.*

Exceptions:

1. ***Reserved.*** ~~Destination-oriented elevators shall not be required to comply with *Section 11B*-407.2.1.5 provided that visible and audible signals complying with *Section 11B*-407.2.2 indicating which elevator car to enter are provided.~~
2. ***Reserved.***

***11B*-407.2.1.6 Keypads.** Where keypads are provided, keypads shall be in a standard telephone keypad arrangement and shall comply with *Section 11B*-407.4.7.2.

***11B*-407.2.2 Hall signals.** Hall signals, including in-car signals, shall comply with *Section 11B*-407.2.2.

***11B*-407.2.2.1 Visible and audible signals.** A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call and the car's direction of travel. Where in-car signals are provided, they shall be visible from the floor area adjacent to the hall call buttons.

Exceptions:

1. ***Reserved.*** ~~Visible and audible signals shall not be required at each destination-oriented elevator where a visible and audible signal complying with *Section 11B*-407.2.2 is provided indicating the elevator car designation information.~~

2. ***Reserved.***

***11B*-407.2.2.2 Visible signals.** Visible signal fixtures shall be centered at 72 inches (*1829* mm) minimum above the finish floor or ground. The visible signal elements shall be a minimum 2½ inches (64 mm) *high by 2½ inches (64 mm) wide*. Signals shall be visible from the floor area adjacent to the hall call button.

Exceptions:

1. ***Reserved.*** ~~Destination-oriented elevators shall be permitted to have signals visible from the floor area adjacent to the hoistway entrance.~~

2. ***Reserved.***

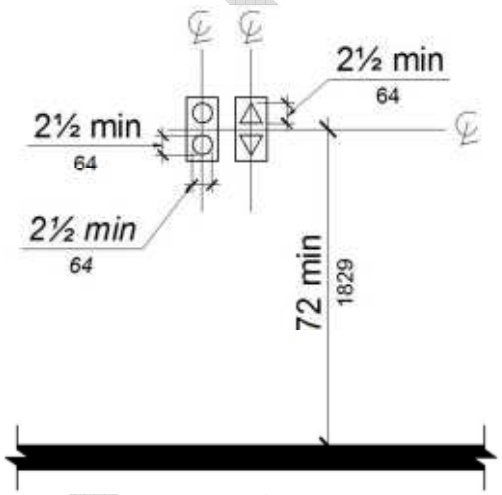

Figure *11B*-407.2.2.2
Visible Hall Signals

***11B*-407.2.2.3 Audible signals.** Audible signals shall sound once for the up direction and twice for the down direction, or shall have verbal annunciators that indicate the direction of elevator car travel. Audible signals shall have a frequency of 1500 Hz maximum. Verbal annunciators shall have a frequency of 300 Hz minimum and 3000 Hz maximum. The audible signal and verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the hall call button.

Exceptions:

1. ***Reserved.*** ~~Destination-oriented elevators shall not be required to comply with *Section 11B*-407.2.2.3 provided that the audible tone and verbal announcement is the same as those given at the call button or call button keypad.~~

2. ***Reserved.***

***11B*-407.2.2.4 *Reserved.* ~~Differentiation.~~** ~~Each destination-oriented elevator in a bank of elevators shall have audible and visible means for differentiation.~~

***11B*-407.2.3 Hoistway signs.** Signs at elevator hoistways shall comply with *Section 11B*-407.2.3.

***11B*-407.2.3.1 Floor designation.** Floor designations complying with *Sections 11B*-703.2 and *11B*-703.4.1 shall be provided on both jambs of elevator hoistway entrances. Floor designations shall be provided in both *raised* characters and Braille. *Raised* characters shall be 2 inches (51 mm) high. A *raised* star*, placed to the left of the floor designation,* shall be provided on both jambs at the main entry level. *The outside diameter of the star shall be 2 inches (51 mm) and all points shall be of equal length. Raised characters, including the star, shall be white on a black background. Braille complying with Section 11B-703.3 shall be placed below the corresponding raised characters and the star. The Braille translation for the star shall be "MAIN". Applied plates are acceptable if they are permanently fixed to the jamb.*

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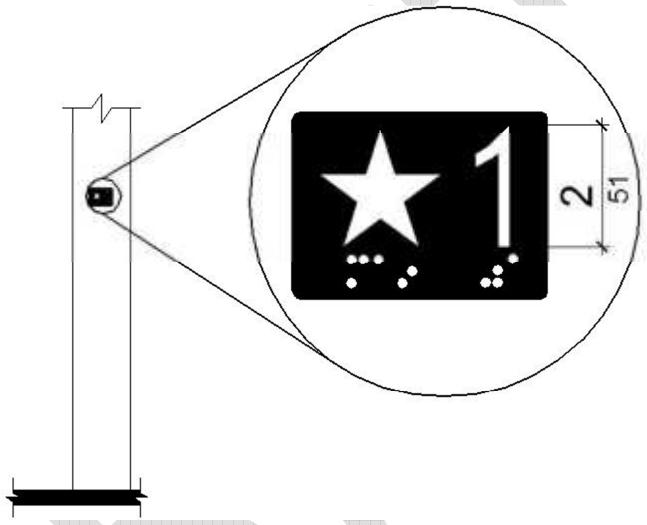
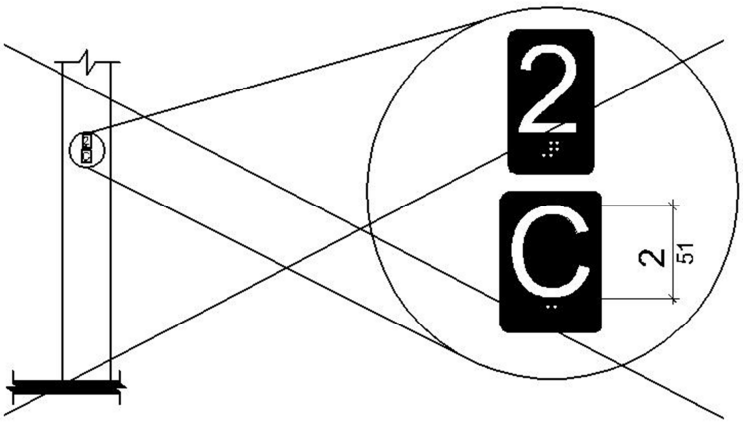


Figure *11B*-407.2.3.1
Floor Designations on Jambs of Elevator Hoistway Entrances

***11B*-407.2.3.2 *Reserved.* ~~Car designations.~~** ~~Destination-oriented elevators shall provide tactile car identification complying with *Sections 11B*-703.2 *and 11B-703.4.1* on both jambs of the hoistway immediately below the floor designation. Car designations shall be provided in both *raised* characters and Braille. *Raised* characters shall be 2 inches (51 mm) high. *Raised characters shall be white on a black background. Braille complying with Section 11B-703.3 shall be placed below the corresponding raised characters. Applied plates are acceptable if they are permanently fixed to the jamb.*~~



~~Figure *11B*-407.2.3.2~~
~~Car Designations on Jambs of Destination-Oriented Elevator Hoistway Entrances~~

***11B*-407.3 Elevator door requirements.** Hoistway and car doors shall comply with *Section 11B*-407.3.

***11B*-407.3.1 Type.** Elevator doors shall be the horizontal sliding type. Car gates shall be prohibited.

***11B*-407.3.2 Operation.** Elevator hoistway and car doors shall open and close automatically.

Exception: Existing manually operated hoistway swing doors shall be permitted provided that they comply with *Sections 11B*-404.2.3 and *11B*-404.2.9. Car door closing shall not be initiated until the hoistway door is closed.

***11B*-407.3.3 Reopening device.** Elevator doors shall be provided with a reopening device complying with *Section 11B*-407.3.3 that shall stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person.

Exception: Existing elevators with manually operated doors shall not be required to comply with *Section 11B*-407.3.3.

***11B*-407.3.3.1 Height.** The device shall be activated by sensing an obstruction passing through the opening at 5 inches (*127* mm) nominal and 29 inches (*737* mm) nominal above the finish floor.

***11B*-407.3.3.2 Contact.** The device shall not require physical contact to be activated, although contact is permitted to occur before the door reverses.

***11B*-407.3.3.3 Duration.** Door reopening devices shall remain effective for 20 seconds minimum.

***11B*-407.3.4 Door and signal timing.** The minimum acceptable time from notification that a car is answering a call ~~or notification of the car assigned at the means for the entry of destination information~~ until the doors of that car start to close shall be calculated from the following equation:

T = D/(1.5 ft/s) or T = D/(455 mm/s) = 5 seconds minimum where T equals the total time in seconds and D equals the distance (in feet or millimeters) from the point in the lobby or corridor 60 inches (*1524* mm) directly in front of the farthest call button controlling that car to the centerline of its hoistway door.

Exceptions:

1. For cars with in-car lanterns, T shall be permitted to begin when the signal is visible from the point 60 inches (*1524* mm) directly in front of the farthest hall call button and the audible signal is sounded.

2. ***Reserved.*** ~~Destination-oriented elevators shall not be required to comply with Section 11B-407.3.4.~~

***11B*-407.3.5 Door delay.** Elevator doors shall remain fully open in response to a car call for *5* seconds minimum.

***11B*-407.3.6 Width.** The width of elevator doors shall comply with Table *11B*-407.4.1.

Exception: In existing elevators, a power-operated car door complying with *Section 11B*-404.2.3 shall be permitted.

***11B*-407.4 Elevator car requirements.** Elevator cars shall comply with *Section 11B*-407.4.

***11B*-407.4.1 Car dimensions.** Inside dimensions of elevator cars and clear width of elevator doors shall comply with Table *11B*-407.4.1.

Exception: *In existing buildings, where existing shaft configuration or technical infeasibility prohibits strict compliance with Section 11B-407.4.1, existing* elevator car configurations that provide a clear floor area of *18 square feet (1.67 m^2)* minimum and also provide an inside clear depth 54 inches (*1372* mm) minimum and a clear width *48 inches (1219 mm)* minimum shall be permitted.

Table *11B*-407.4.1 Elevator Car Dimensions

	Minimum Dimensions			
Door Location	**Door Clear Width**	**Inside Car, Side to Side**	**Inside Car, Back Wall to Front Return**	**Inside Car, Back Wall to Inside Face of Door**
Centered	42 inches (*1067* mm)	80 inches (*2032* mm)	51 inches (1295 mm)	54 inches (*1372* mm)
Side (off-centered)	36 inches (*914* mm)[1]	68 inches (*1727* mm)	51 inches (1295 mm)	54 inches (*1372* mm)
Any	36 inches (*914* mm)[1]	54 inches (*1372* mm)	80 inches (*2032* mm)	80 inches (*2032* mm)
Any	36 inches (*914* mm)[2]	60 inches (*1524* mm)[2]	60 inches (*1524* mm)[2]	60 inches (*1524* mm)[2]

1. A tolerance of minus ⅝ inch (*15.9* mm) is permitted.
2. Other car configurations that provide a turning space complying with *Section 11B*-304 with the door closed shall be permitted.

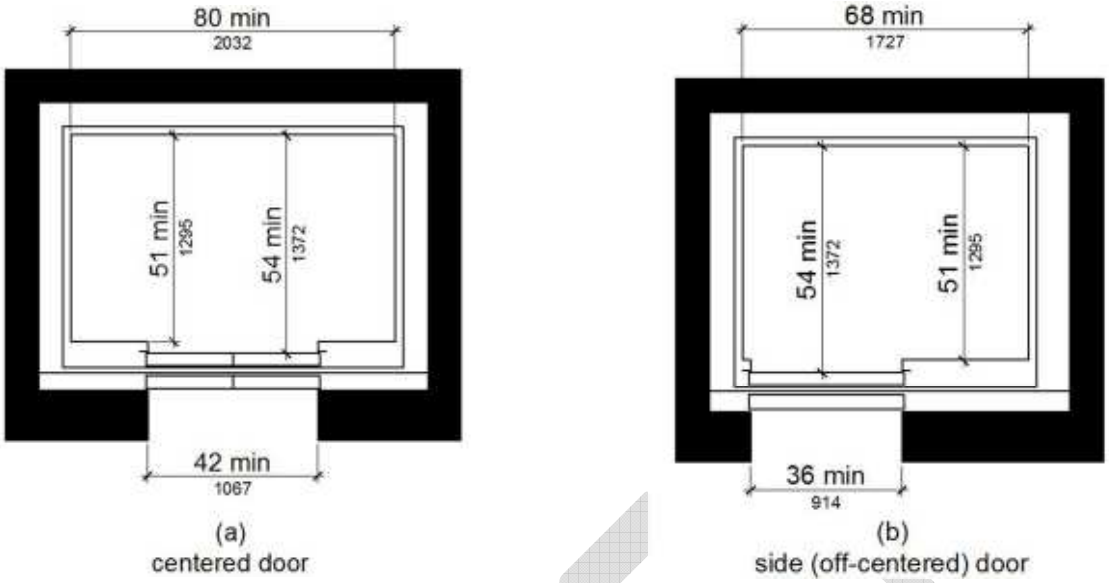
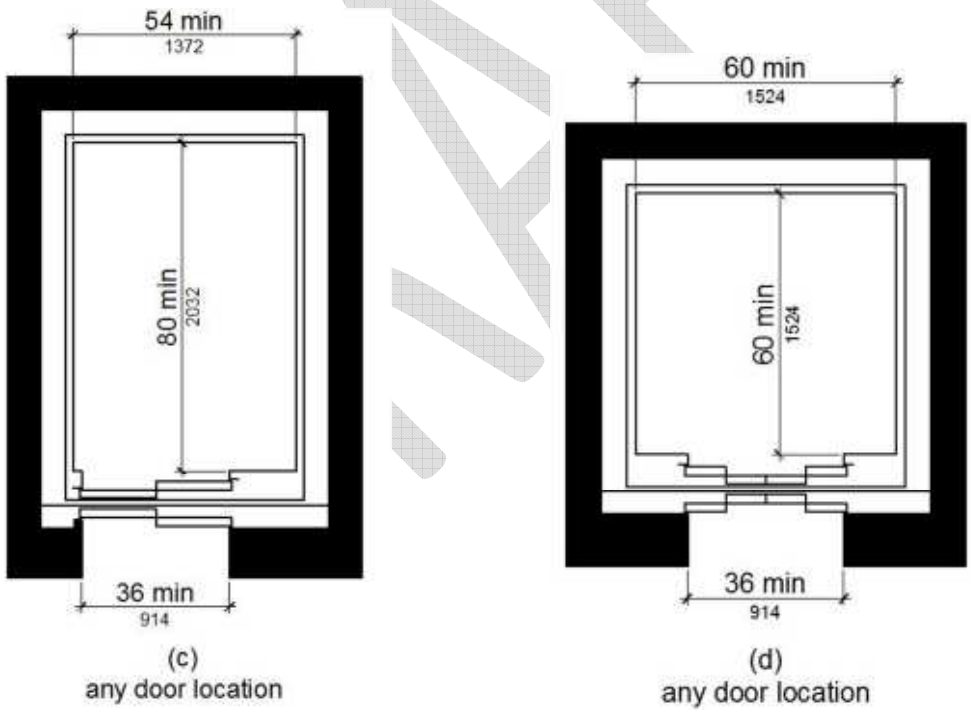


Figure *11B*-407.4.1
Elevator Car Dimensions



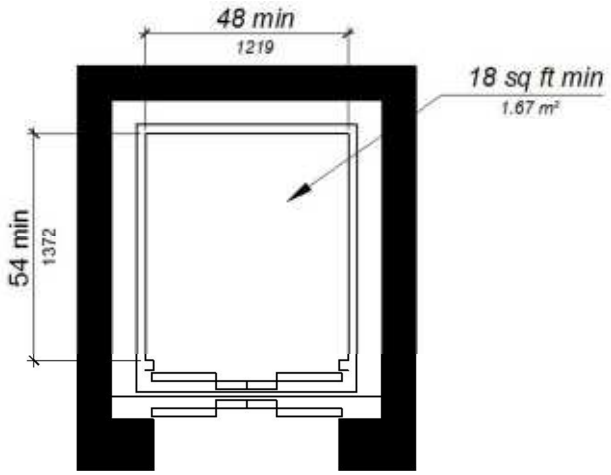


Figure *11B*-407.4.1
Elevator Car Dimensions

***11B*-407.4.2 Floor surfaces.** Floor surfaces in elevator cars shall comply with *Sections 11B*-302 and *11B*-303.

***11B*-407.4.3 Platform to hoistway clearance.** The clearance between the car platform sill and the edge of any hoistway landing shall be 1¼ inch (32 mm) maximum.

***11B*-407.4.4 Leveling.** Each car shall be equipped with a self-leveling feature that will automatically bring and maintain the car at floor landings within a tolerance of ½ inch (*12.7* mm) under rated loading to zero loading conditions.

***11B*-407.4.5 Illumination.** The level of illumination at the car controls, platform, car threshold and car landing sill shall be 5 foot candles (54 lux) minimum.

***11B*-407.4.6 Elevator car controls.** Where provided, elevator car controls shall comply with *Sections 11B*-407.4.6 and *11B*-309.4.

Exception: In existing elevators, where a new car operating panel complying with *Section 11B*-407.4.6 is provided, existing car operating panels *may remain operational and* shall not be required to comply with *Section 11B*-407.4.6.

***11B*-407.4.6.1 Location.** Controls shall be located within one of the reach ranges specified in *Section 11B*-308.

Exceptions:

1. Where the elevator panel serves more than 16 openings and a parallel approach is provided, buttons with floor designations shall be permitted to be 54 inches (*1372* mm) maximum above the finish floor.

2. In existing elevators, car control buttons with floor designations shall be permitted to be located 54 inches (*1372* mm) maximum above the finish floor where a parallel approach is provided.

***11B*-407.4.6.2 Buttons.** Car control buttons with floor designations shall comply with *Section 11B*-407.4.6.2.

Exception: *Reserved.*

***11B*-407.4.6.2.1 Size *and shape*.** Buttons shall *have square shoulders*, be 3/4 inch (*19.1* mm) minimum in their smallest dimension *and be raised 1/8 inch (3.2 mm) plus or minus 1/32 inch (0.8 mm) above the surrounding surface.*

***11B*-407.4.6.2.2 Arrangement.** Buttons shall be arranged with numbers in ascending order. When two or more columns of buttons are provided they shall read from left to right.

***11B-407.4.6.2.3 Illumination.** Car control buttons shall be illuminated.*

***11B-407.4.6.2.4 Operation.** Car control buttons shall be activated by a mechanical motion that is detectable.*

***11B*-407.4.6.3 Keypads.** Car control keypads shall be in a standard telephone keypad arrangement and shall comply with *Section 11B*-407.4.7.2.

***11B*-407.4.6.4 Emergency controls.** Emergency controls shall comply with *Section 11B*-407.4.6.4.

***11B*-407.4.6.4.1 Height.** Emergency control buttons shall have their centerlines 35 inches (*889* mm) minimum above the finish floor.

***11B*-407.4.6.4.2 Location.** Emergency controls, including the emergency alarm, shall be grouped at the bottom of the panel.

***11B*-407.4.7 Designations and indicators of car controls.** Designations and indicators of car controls shall comply with *Section 11B*-407.4.7.

Exception: In existing elevators, where a new car operating panel complying with *Section 11B*-407.4.7 is provided, existing car operating panels *may remain operational and* shall not be required to comply with *Section 11B*-407.4.7.

***11B*-407.4.7.1 Buttons.** Car control buttons shall comply with *Section 11B*-407.4.7.1.

***11B*-407.4.7.1.1 Type.** Control buttons shall be identified by *raised characters or symbols, white on a black background, complying with Section 11B-703.2 and Braille complying with Section 11B-703.3.*

***11B*-407.4.7.1.2 Location.** Raised *characters or symbols* and Braille designations shall be placed immediately to the left of the control button to which the designations apply.

Exception: *Reserved.*

***11B*-407.4.7.1.3 Symbols.** The control button for the emergency stop, alarm, door open, door close, main entry floor, and phone, shall be identified with *raised* symbols *and Braille* as shown in Table *11B*-407.4.7.1.3.

Table *11B*-407.4.7.1.3 Elevator Control Button Identification

Control Button	Raised Symbol	Braille Message
Emergency Stop		"ST"OP Three Cells
Alarm		AL"AR"M Four Cells
Door Open		OP"EN" Three Cells
Door Close		CLOSE Five Cells
Main Entry Floor		MA"IN" Three Cells
Phone		PH"ONE" Four Cells

***11B*-407.4.7.1.4 Visible indicators.** Buttons with floor designations shall be provided with visible indicators to show that a call has been registered. The visible indication shall extinguish when the car arrives at the designated floor.

11B-407.4.7.1.5 Button spacing. *A minimum clear space of 3/8 inch (9.5 mm) or other suitable means of separation shall be provided between rows of control buttons.*

***11B*-407.4.7.2 Keypads.** Keypads shall be identified by characters complying with *Section 11B*-703.5 and shall be centered on the corresponding keypad button. The number five key shall have a single raised dot. The dot shall be 0.118 inch (3 mm) to 0.120 inch (3.05 mm) base diameter and in other aspects comply with Table *11B*-703.3.1.

***11B*-407.4.8 Car position indicators.** Audible and visible car position indicators shall be provided in elevator cars.

***11B*-407.4.8.1 Visible indicators.** Visible indicators shall comply with *Section 11B*-407.4.8.1.

***11B*-407.4.8.1.1 Size.** Characters shall be ½ inch (*12.7* mm) high minimum.

***11B*-407.4.8.1.2 Location.** Indicators shall be located above the car control panel or above the door.

***11B*-407.4.8.1.3 Floor arrival.** As the car passes a floor and when a car stops at a floor served by the elevator, the corresponding character shall illuminate.

Exception: *Reserved.* ~~Destination-oriented elevators shall not be required to comply with *Section 11B*-407.4.8.1.3 provided that the visible indicators extinguish when the call has been answered.~~

***11B*-407.4.8.1.4 *Reserved.* ~~Destination indicator.~~** ~~In destination-oriented elevators, a display shall be provided in the car with visible indicators to show car destinations.~~

***11B*-407.4.8.2 Audible indicators.** Audible indicators shall comply with *Section 11B*-407.4.8.2.

***11B*-407.4.8.2.1 Signal type.** The signal shall be an automatic verbal annunciator which announces the floor at which the car is about to stop.

Exception: For elevators ~~other than destination-oriented elevators~~ that have a rated speed of 200 feet per minute (1 m/s) or less, a non-verbal audible signal with a frequency of 1500 Hz maximum which sounds as the car passes or is about to stop at a floor served by the elevator shall be permitted.

***11B*-407.4.8.2.2 Signal level.** The verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the annunciator.

***11B*-407.4.8.2.3 Frequency.** The verbal annunciator shall have a frequency of 300 Hz minimum to 3000 Hz maximum.

***11B*-407.4.9 Emergency communication.** Emergency two-way communication systems shall comply with *Section 11B*-308. *Raised* symbols *or* characters*, white on a black background, and Braille* shall be provided adjacent to the device and shall comply with *Sections 11B*-703.2 *and 11B-703.3*. *Emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with ASME A17.1.*

***11B-407.4.10 Support rail.** Support rails shall be provided on at least one wall of the car.*

***11B-407.4.10.1 Location.** Clearance between support rails and adjacent surfaces shall be 1½ inches (38 mm) minimum. Top of support rails shall be 31 inches (787 mm) minimum to 33 inches (838 mm) maximum above the floor of the car. The ends of the support rail shall be 6 inches (152 mm) maximum from adjacent walls.*

***11B-407.4.10.2 Surfaces.** Support rails shall be smooth and any surface adjacent to them shall be free of sharp or abrasive elements.*

***11B-407.4.10.3 Structural strength.** Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the support rail, fastener, mounting device, or supporting structure.*

REASON: DSA-AC is proposing to amend the Section 11B-407 technical requirements for standard elevators in coordination with the proposed new technical requirements for destination-oriented elevators to be added as Section 11B-411. Subsections, exceptions, and figures specific to destination-oriented elevators within Section 11B-407 are being repealed or relocated to Section 11B-411, as applicable.

ITEM 11B.05

DIVISION 5: GENERAL SITE AND BUILDING ELEMENTS

***11B*-505.10.3 Bottom extension at stairs.** At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the last riser nosing. *Such extension shall continue with a horizontal extension or shall be continuous to the handrail of an adjacent stair flight ~~or shall return to a wall, guard, or the walking surface~~. At the bottom of a stair flight, a horizontal extension of a handrail shall be 12 inches (305 mm) long minimum and a height equal to that of the sloping portion of the handrail as measured above the stair nosings.* Extension

shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

REASON: DSA-AC is proposing to amend Section 11B-505.10.3 to provide clarity and consistency for code users. The 2010 ADA Standards do not contain a provision for a horizontal handrail extension at the bottom of a stair flight. The 2010 CBC, Section 1133B.4.2.2 provision for a horizontal extension was carried forward and incorporated into this 2013 CBC section. An inadvertent typographical error was introduced and is now being corrected to prevent any possible confusion about the requirement for a horizontal handrail extension at the bottom of stair flights. The phrase "or shall return to a wall, guard, or the walking surface" is being deleted from the second sentence. Language requiring the horizontal handrail extension to be returned to a wall, guard or the landing surface is found in the last sentence in this section.

ITEM 11B.06

DIVISION 6: PLUMBING ELEMENTS AND FACILITIES

11B-603.5 Accessories. *Where towel or sanitary napkin dispensers, waste receptacles, or other accessories are provided in toilet facilities, at least one of each type shall be located on an accessible route. All operable parts, including coin slots, shall be 40 inches (1016 mm) maximum above the finish floor.*

> ***Exception:*** *The height of fold down baby changing tables shall be 48 inches (1219 mm) maximum measured vertically from the floor to the highest point of the handle or latch.*

REASON: DSA-AC is proposing to amend Section 11B-603.5 to clarify requirements for fold down baby changing stations. Baby changing tables are commonly installed in toilet and bathing facilities, however, most manufactured fold down baby changing stations can not comply with a work surface height requirement of 28 inches minimum to 34 inches maximum above the finish floor, a work surface knee clearance requirement of 27 inches above the finish floor, and an operable parts height requirement of 40 inches maximum above the finish floor. Section 11B-308 permits operable parts to be located at 48 inches maximum above the finish floor or ground surface for an unobstructed forward or side reach. DSA-AC is proposing to add an exception to this section for the handle or latch on a fold down baby changing table to be located at 48 inches maximum above the finish floor.